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(54) PACKET EXCHANGE

(57)Abstract:

PURPOSE: To utilize the existing software and to attain quick data communication by controlling respectively various protocol conversion and multiplex transmission of a reception packet for each device such as data exchange and line selection, closed area connection for packet exchange and charging management.

CONSTITUTION: An exchange control section 11 controls data exchange between electronic computers and line selection for data exchange and a communication control section 12 controls various facilities such as closed area connection and charging processing or the like in the packet exchange. A protocol conversion control section 13 controls protocol conversion from various protocol into a standard protocol and vice versa and manages the communication line of a packet level requiring the protocol conversion by an identification transfer ID. Furthermore, a multiplex control section 14 multiplexes a reception packet from plural lines to one line and sends the result. Thus, the existing software is utilized and the increasing communication between electronic computers is realized without losing quickness of the service.

